

Form PTO-1449  
(Rev. 8-83)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEINFORMATION DISCLOSURE CITATION  
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13503US01)

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10/07/2038

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APPLICANT:

Shuman et al.

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## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
12AC	A	4,634,204	1/6/1987	Detter et al.			
	B	5,120,255	6/9/1992	Kouda et al.			
	C	5,507,666	4/16/1996	Yamanashi			
	D	5,562,486	10/8/1996	Saijo et al.			
	E	5,591,041	1/7/1997	Cecil, Jr. et al.			
	F	5,605,472	2/25/1997	Sakai et al.			
	G	5,628,648	5/13/1997	Higgins, Jr. et al.			
	H	5,628,649	5/13/1997	Yagi et al.			
	I	5,643,003	7/1/1997	Meyer et al.			
	J	5,651,689	7/29/1997	Plyler et al.			
	K	5,722,849	3/3/1998	Alwine			
	L	5,820,387	10/13/1998	Borisch et al.			
	M	5,823,814	10/20/1998	Alwine			
	N	5,910,027	6/8/1999	Wayt et al.			
	O	6,004,153	12/21/1999	Myer et al.			
	P	6,045,388	4/4/2000	Higgins et al.			
12AC	Q	6,093,045	7/25/2000	Hoff			

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	J							

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER	AA	DATE CONSIDERED	7/31/03
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## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIA TE
EFL		6,319,023 B2	11/20/2001	Goto et al.			

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

EXAMINER

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